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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/526,333	03/01/2005	Byoung-Chul Kim	409-011	8951

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New York, NY 10036

EXAMINER
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HOSSAIN, TANIM M

ART UNIT	PAPER NUMBER
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2445

MAIL DATE	DELIVERY MODE
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02/18/2009

PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

<b>Office Action Summary</b>	<b>Application No.</b> 10/526,333	<b>Applicant(s)</b> KIM, BYOUNG-CHUL	
	<b>Examiner</b> Tanim Hossain	<b>Art Unit</b> 2445	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 17 November 2008.
- 2a) ☒ This action is **FINAL**.                      2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-16 is/are pending in the application.
- 4a) Of the above claim(s) 7-16 is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-6 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)          | 4) <input type="checkbox"/> Interview Summary (PTO-413)           |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____                                      |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)          | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____  | 6) <input type="checkbox"/> Other: _____                          |

## **DETAILED ACTION**

### ***Election/Restrictions***

This application contains claims 7-16 drawn to an invention nonelected without traverse in the reply filed on November 17, 2008. A complete reply to the final rejection must include cancellation of nonelected claims or other appropriate action (37 CFR 1.144) See MPEP § 821.01.

### ***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1-6 are rejected under 35 U.S.C. 103(a) as being unpatentable over Srinivasan (U.S. 2003/0172139) in view of Official Notice.

As per claim 1, Srinivasan teaches a data conversion and transmission system comprising: wire and wireless terminal clients (paragraphs 0040-0044, 0053); a management server and a data conversion and transmission server embodied together, connected with the wire and wireless terminal client over the internet (Figures 2 and 4); a data server connected to the management server (0044); wherein the management server extracts requested information from

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the data server according to requests of the wire and wireless terminal clients for information access to convert the extracted information into a format adaptive to a specification (protocol) and a platform of the wire and wireless terminal clients using the data conversion and transmission server, for provision (0063-0064). Srinivasan does not specifically teach the reception of an input form, and that the conversion and management servers are separately embodied. Official Notice is taken that such specific additions would have been obvious to one of ordinary skill. For example, Srinivasan teaches the transmission of stock and weather updates. It would be obvious for a user to request and receive data from a stock/weather homepage, where he/she may then register for stock/weather updates through a registration form. The registration data would then inherently be stored in a database, and updates would be provided as appropriate. The registration form constitutes the claimed input form, and the inclusion of such a specific disclosure in Srinivasan would have been eminently obvious (given how well known the registration concept is), and constitutes a design choice. Furthermore, Official Notice is also taken that the modification of server architecture is well known in the art, such that multiple servers may be employed to serve separate functions. Therefore, to separately serve the conversion and management functions through different servers would have been envisioned by one of ordinary skill.

As per claim 2, Srinivasan teaches the data conversion and transmission system of claim 1, wherein the management server comprises: a wire server connected with the wire terminal client (0040-0044, 0053); a wireless server connected with the wireless terminal client (0040-0044, 0053); and the system further comprises a data conversion and transmission server, the

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data server and the data conversion and transmission server are shared by the wire and wireless servers (Figures 2 and 4; 0040-0044, 0053).

As per claim 3, Srinivasan teaches the data conversion and transmission system of claim 2, wherein the data conversion and transmission server extracts an input form requested by the wire terminal client for information provision, correspondingly to an information kind and from the data server to provide the extracted input form, and stores, in the data server, the information provided from the wire terminal input through the input form, and extracts information requested by the wireless terminal client for information access from the data server to convert the extracted information into a format adaptive to a mobile specification and a platform of the wireless terminal client for provision (0016, 0065).

As per claim 4, Srinivasan teaches the data conversion and transmission system of claim 2, wherein the data conversion and transmission server extracts an input form requested by the wireless terminal client for information provision, correspondingly to an information kind and from the data server to provide the extracted input form, and stores, in the data server, the information provided from the wireless terminal client through the input form, and extracts information request by the wire terminal client for information access from the data server to convert the extracted information into a format adaptive to a mobile specification and a platform of the wire terminal client for provision (0016, 0065).

As per claim 5, Srinivasan teaches the data conversion and transmission system of claim 1, wherein the wire terminal client includes a computer system, and the wireless terminal client is any one of a mobile phone, a wireless PDA, or an IMT-2000 terminal (0029, 0053).

As per claim 6, Srinivasan teaches the data conversion and transmission system of claim

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2, wherein the data server comprises an input form database (DB) for storing an input form for receiving information from information providing wire and wireless terminal clients (0063); an input information DB for storing information provided through the input form (0063); a member information DB for storing user information provided at the time of member registration (0063-0065); and a wireless terminal information DB for storing information on a mobile specification and a platform of a wireless terminal used by a registered member (0063-0065); wherein the wire and wireless server comprises a member management module for registering a user that desires information provision or information access as a member such that information on the registered user is stored and managed in the member information DB (0063-0065); a verification module for verifying whether or not the user connected to the wire or wireless server is the registered member (0063-0065); an information input management module for extracting an appropriate input form from the input form DB by requests of the information providing wire and wireless terminal clients to provide the extracted input form, and storing information provided from the information providing wire and wireless terminal clients in the input information DB (0063-0065); and a control module for controlling a mutual operation among respective modules, in which the data conversion and transmission server is controlled to store the information provided from the information providing wire and wireless terminal clients in the input information DB, or in which if the data conversion and transmission server converts extracted information adaptively to information accessing wire and wireless terminal clients by request of the information accessing wire and wireless terminal clients, the converted information is transmitted to the information accessing wire and wireless terminal clients, and wherein the data conversion and transmission server stores, in case the information input management module transmits the

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information provided from the information accessing wire and wireless terminal clients the transmitted information in the input information DB, and converts, in case information access is requested by the information accessing wire and wireless terminal clients, the stored information into a format adaptive to the information accessing wire and wireless terminal clients to provide the converted information (0063-0065).

### ***Response to Arguments***

Applicant's arguments filed on June 26, 2008 have fully been considered, and are respectfully traversed by the new grounds of rejection.

### ***Conclusion***

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a).

Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event,

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however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tanim Hossain whose telephone number is (571)272-3881. The examiner can normally be reached on 8:30 am - 5 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Glenton Burgess can be reached on 571/272-3949. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Tanim Hossain  
Patent Examiner  
Art Unit 2445  
/Larry D Donaghue/  
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